

Ken Branch Storm Drain -- No. 500110

Category
Agency
Planning Area
Relocation Impact

Conservation of Natural Resources
Public Works & Transportation
Potomac-Travilah
None.

Date Last Modified
Previous PDF Page Number
Required Adequate Public Facility

January 4, 2002
15-20(01 App)
NO

EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY01	Estimate FY02	Total 6 Years	FY03	FY04	FY05	FY06	FY07	FY08	Beyond 6 Years
Planning, Design and Supervision	177	60	61	56	7	49	0	0	0	0	0
Land	30	0	2	28	28	0	0	0	0	0	0
Site Improvements and Utilities	2	0	0	2	0	2	0	0	0	0	0
Construction	236	0	0	236	0	236	0	0	0	0	0
Other											
Total	445	60	63	322	35	287	0	0	0	0	0

FUNDING SCHEDULE (\$000)

G.O. Bonds	445	60	63	322	35	287	0	0	0	0	0
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ANNUAL OPERATING BUDGET IMPACT (\$000)

DESCRIPTION

This project provides for the design and construction of reinforced concrete replacement culverts for the inadequate, deteriorated metal pipe culverts on Kendale Road at Ken Branch. It also includes approximately 250 linear feet of associated road repairs, new concrete culverts, end walls, stream protection, and guardrails.

Service Area

Potomac

Capacity

The design is based on the two-year storm frequency interval.

Plans and Studies

In 1982, a stormwater management study was conducted to identify possible flood mitigation sites to alleviate erosion and provide for future development. None of the sites identified in the study were constructed. Since that time, development has reached 100 percent, and the flooding at Kendale Road has gotten correspondingly worse. The two existing 24" pipes cannot carry the one-year frequency storm. Montgomery County Department of Public Works and Transportation Highway Maintenance reports that repairs due to flooding are necessary about seven times a year, for an average annual cost of \$18,000. Another concern to the public is the frequent flooding at Bradley Boulevard on Ken Branch, downstream from Kendale Road. Both Kendale Road and Bradley Boulevard are closed to traffic several times a year due to flooding. In 1997, the residents of Bradley Boulevard asked the County Council to investigate the flooding conditions there. This study was completed in July 1999, and the resulting recommendation was to replace the existing damaged culvert with a new culvert system to carry the two-year storm under Kendale Road.

Specific Data

The project is needed to reduce the frequency of flooding on Kendale Road and to eliminate frequent, costly repairs to the road due to flooding.

Cost Change

Not applicable.

STATUS

Final Design Phase.

OTHER

Ken Branch is a Class I stream, with in-stream work prohibited from March 1 to June 15. The stream is not in a special protection area. Based on the final design, the project cost reflects current unit prices for construction and a revised design using round corrugated aluminum pipes. This design revision allows the project to be completed with the funds already approved by reducing the culvert material cost and duration for construction.

APPROPRIATION AND EXPENDITURE DATA	COORDINATION	MAP																																																			
<table> <tr> <td>Date First Appropriation</td><td>FY01</td><td>(\$000)</td></tr> <tr> <td>Initial Cost Estimate</td><td></td><td>445</td></tr> <tr> <td>First Cost Estimate</td><td></td><td></td></tr> <tr> <td>Current Scope</td><td>FY01</td><td>445</td></tr> <tr> <td>Last FY's Cost Estimate</td><td></td><td>445</td></tr> <tr> <td>Present Cost Estimate</td><td></td><td>445</td></tr> <tr> <td>Appropriation Request</td><td>FY03</td><td>322</td></tr> <tr> <td>Appropriation Request Est.</td><td>FY04</td><td>0</td></tr> <tr> <td>Supplemental</td><td></td><td></td></tr> <tr> <td>Appropriation Request</td><td>FY02</td><td>0</td></tr> <tr> <td>Transfer</td><td></td><td>0</td></tr> <tr> <td>Cumulative Appropriation</td><td></td><td>123</td></tr> <tr> <td>Expenditures/ Encumbrances</td><td></td><td>123</td></tr> <tr> <td>Unencumbered Balance</td><td></td><td>0</td></tr> <tr> <td>Partial Closeout Thru</td><td>FY00</td><td>0</td></tr> <tr> <td>New Partial Closeout</td><td>FY01</td><td>0</td></tr> <tr> <td>Total Partial Closeout</td><td></td><td>0</td></tr> </table>	Date First Appropriation	FY01	(\$000)	Initial Cost Estimate		445	First Cost Estimate			Current Scope	FY01	445	Last FY's Cost Estimate		445	Present Cost Estimate		445	Appropriation Request	FY03	322	Appropriation Request Est.	FY04	0	Supplemental			Appropriation Request	FY02	0	Transfer		0	Cumulative Appropriation		123	Expenditures/ Encumbrances		123	Unencumbered Balance		0	Partial Closeout Thru	FY00	0	New Partial Closeout	FY01	0	Total Partial Closeout		0	DPWT M-NCPPC MSHA MCDPS MDE Corps of Engineers Wetland Coordination Committee Residents of Potomac Utilities Companies	See Map on Next Page
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